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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/577,266	04/26/2006	Pierluigi Lo Muzio	PD030113	3444		
24498 Robert D. Shed	7590 03/17/200 d	EXAMINER				
Thomson Licen	sing LLC	TRAN, PHUC H				
PO Box 5312 PRINCETON, I	NJ 08543-5312	ART UNIT	PAPER NUMBER			
			2416			
			MAIL DATE	DELIVERY MODE		
			03/17/2009	PAPER		

# Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application	Application No. Applicant(s)						
Office Action Summary			10/577,266		LO MUZIO ET AL.				
			Examiner		Art Unit				
			PHUC H. TR	AN	2416				
Period fo	The MAILING DATE of this commur or Reply	nication appe	ears on the co	over sheet with the c	correspondence ac	ddress			
WHIC - Exter after - If NC - Failu Any r	ORTENED STATUTORY PERIOD F CHEVER IS LONGER, FROM THE M Issions of time may be available under the provisions SIX (6) MONTHS from the mailing date of this common period for reply is specified above, the maximum signer to reply within the set or extended period for reply eply received by the Office later than three months and patent term adjustment. See 37 CFR 1.704(b).	MAILING DATES of 37 CFR 1.136 munication. tatutory period will y will, by statute, c	TE OF THIS  S(a). In no event,  Il apply and will excause the applicat	COMMUNICATION however, may a reply be tin triping SIX (6) MONTHS from to become ABANDONE	N. nely filed the mailing date of this of D (35 U.S.C. § 133).				
Status									
1) 又	Responsive to communication(s) file	ed on 26 Ant	ril 2006						
· · · · · · · · · · · · · · · · · · ·	Responsive to communication(s) filed on <u>26 April 2006</u> .  This action is <b>FINAL</b> .  2b) This action is non-final.								
3)		<i>,</i> —			secution as to the	e merits is			
٥,١	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
Dispositi	on of Claims								
· ·	•								
	Claim(s) <u>1-10</u> is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.								
		are withdrawi	ii iioiii corisi	deration.					
	5) Claim(s) is/are allowed.								
	Claim(s) <u>1-10</u> is/are rejected.								
	Claim(s) is/are objected to.	-4:	_14!	·····					
8)[	Claim(s) are subject to restrict	ction and/or	election requ	ilrement.					
Applicati	on Papers								
9)	The specification is objected to by th	ne Examiner.	•						
10)	The drawing(s) filed on is/are	: a) <u>□</u> accep	pted or b)□	objected to by the I	Examiner.				
	Applicant may not request that any obje	ection to the dr	rawing(s) be h	ield in abeyance. See	e 37 CFR 1.85(a).				
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11)	11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority ເ	ınder 35 U.S.C. § 119								
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.									
2)  Notic 3) Inforr	t(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (I nation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	PTO-948)	4) 5) 6)	<b>=</b>	ate				

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#### **DETAILED ACTION**

## Claim Rejections - 35 USC § 101

1. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 1-2 and 8 are rejected under 35 U.S.C. 101 as not falling within one of the four statutory categories of invention. While the claims recite a series of steps or acts to be performed, a statutory "process" under 35 U.S.C. 101 must (1) be tied to particular machine, or (2) transform underlying subject matter (such as an article or material) to a different state or thing. See page 10 of In Re Bilski 88 USPQ2d 1385. The instant claims are neither positively tied to a particular machine that accomplishes the claimed method steps nor transform underlying subject matter, and therefore do not qualify as a statutory process.

### Claim Rejections - 35 USC § 112

- 2. The following is a quotation of the second paragraph of 35 U.S.C. 112:
  - The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 3. Claims 1-8 and 10 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
- Claims 1-7 and 10 are rejected as failing to define the invention in the manner required by 35 U.S.C. 112, second paragraph.

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The claim(s) are narrative in form and replete with indefinite and functional or operational language. The structure which goes to make up the device must be clearly and positively specified. The structure must be organized and correlated in such a manner as to present a complete operative device. The claim(s) must be in one sentence form only. Note the format of the claims in the patent(s) cited.

- Regarding to claims 1 and 8, "D" is indefinite to particularly point out what is D stand for.

## Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 5. Claims 1, 3, and 8-10 are rejected under 35 U.S.C. 102(b) as being anticipated by Supino et al. (U.S. Patent No. 5914922).
- With respect to claims 1, 3, and 8-10, Supino teaches method for differential phase detection, including the steps of: digitizing the output signals of four photodetectors (e.g. blocks A, B, C, D in Fig. 4); time multiplexing the digitized signals (e.g. MUX in fig. 4); synchronizing the samples from the time multiplexed digitized signals with a demultiplexer/interpolator (e.g. the synchronizer in Fig. 10), and generating a tracking error signal from the digitized and synchronized signals (e.g. track counter in Fig. 4).

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Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's

disclosure. See PTO-892.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to PHUC H. TRAN whose telephone number is (571)272-3172.

The examiner can normally be reached on M-F (8-4:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, CHI PHAM can be reached on (571) 272-3179. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

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/PHUC H TRAN/

Examiner, Art Unit 2416